

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 733 963 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
26.02.1997 Bulletin 1997/09

(51) Int. Cl.⁶: G06F 3/023

(43) Date of publication A2:
25.09.1996 Bulletin 1996/39

(21) Application number: 96103182.0

(22) Date of filing: 01.03.1996

(84) Designated Contracting States:
DE GB IT

(30) Priority: 20.03.1995 US 406743

(71) Applicant: Venturedyne Ltd.
Milwaukee, Wisconsin 53227 (US)

(72) Inventors:
• Jasinski, Vincent J.
Grand Rapids, MI 49504 (US)

• Briggs, Mark W.
Holland, MI 49423 (US)

(74) Representative: Fleck, Hermann-Josef, Dr.-Ing. et al
Patentanwaltsbüro
A. Jeck & H.-J. Fleck
Markgröninger Strasse 47/1
71701 Schwieberdingen (DE)

(54) Method and apparatus for entering alpha-numeric data

(57) A method for entering data comprised of alpha, numeric and/or symbolic characters includes providing a plurality of hard keys (17), each of which is identified with two alpha characters. Such hard keys (17) are preferably provided in a key matrix (not unlike a telephone key matrix) wherein all of the alpha characters of a particular alphabet are represented on such hard keys (17). Such method also includes providing two "display-type" soft keys (37), each for displaying an alpha character

appearing on one of the hard keys (17) and selected by actuating such key (17). A different alpha character is thereby displayed at each of the soft keys (37). That soft key (37) displaying the alpha character (21) desired to be entered is then actuated, thereby entering the displayed alpha character (21) into the data field (29) being edited. A new apparatus (10) is also disclosed.

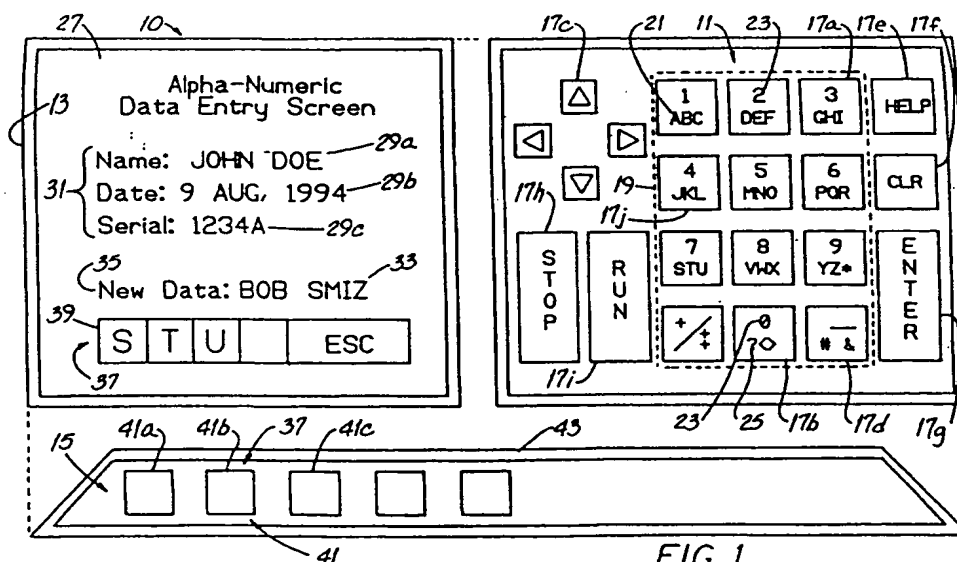


FIG. 1

EP 0 733 963 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 96 10 3182

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	EP-A-0 397 164 (ALCATEL BUSINESS SYSTEMS) 14 November 1990 * abstract * * column 3, line 30 - line 50; figure 1 * * column 4, line 1 - line 30; figures 2,3 *	1,2,5,6, 8	G06F3/023
Y	---	3,4,7,9, 10	
Y	US-A-4 141 001 (SUZUKI KOICHI ET AL) 20 February 1979 * abstract * * column 3, line 55 - column 4, line 44; figures 3A-3D * * column 4, line 50 - column 5, line 23; figures 4A-4D *	3,4,7,9, 10	
A	EP-A-0 271 280 (AMERICAN TELEPHONE & TELEGRAPH) 15 June 1988 * abstract * * column 6, line 17 - line 32; figure 7 *	3,4,7,9, 10	
A	PROCEEDINGS OF COMPCON 84 FALL, 16 September 1984, ARLINGTON, VIRGINIA, US, pages 119-124, XP002022036 P. E. RUBIN ET AL.: "USIPS (User-System Interface Prototyping Sytem)" * page 122, right-hand column, line 34 - line 48; figure 1 *	3,7	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30 December 1996	Examiner Bravo, P
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 01/92 (P04C01)